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TALENT-KEYHOLE

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WARNING

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TCS-11131-64
23 December 1964

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Information Processing Division
Report for November 1964

General

1. During November, work on the Basic Information Reporting System (BIRS) advanced from the problem-formulation/requirement-statement stage to the design of specifications for the system.

2. The new OAK/IPIR reporting system, utilizing the IBM 826 Typewriter Key punch and an editing and line-length-modification capability, is now available for use. It will be backed-up by the old system until it (the new T system) is thoroughly tested under operational conditions.

3. The UNIVAC 1004 has been installed in the UNIVAC 490 area on the second floor; the conversion of the second Minicard duplicator (on the fourth floor) to permit file expansion is now complete; and both Minicard sorters have been modified to allow a one-pass fine sort which will cut file expansion sorting time by approximately 50 percent. (This modification permits chips prepared by the duplicator to be assembled into multiple copies of the document in one operation.)

4. [redacted] of Lockheed Missile and Space Company (LMSC) spent a week at the Center in November. [redacted] consulted with IPD supervisors regarding the performance of LMSC programmers assigned here (preparatory to completing annual performance evaluations of the programmers). He also urged that we begin consideration of third-generation hardware to meet future demands. [redacted] (who was visiting the Center for the first time) is a computer systems and hardware designer. He was thoroughly briefed on NPIC operations as they relate to Automatic Data Processing (ADP). [redacted] spent considerable time reviewing the Real-Time system and on-line equipment. He also drafted design criteria for a KH-7 film-speed reader.

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Systems Branch

1. Work on the BIRS, and work on the Automated Library Circulation Control System occupied [] time in November. The automated system will be applied to the charge-out and check-in of library documents and briefing boards, and it is anticipated that the system will eventually be applied to the film files. 50X1
2. [] spent considerable time in November formulating "milestone" events to monitor and schedule the flow of developmental efforts through the Systems Branch (SYB) and the Programming Branch (PRB). In addition, [] continues as chairman of the Subcommittee for Automated Reporting. 50X1
3. Support to the USIB Committee on Documentation (CODIB), Task Team VIII, on film chips, and to the Plans and Development Staff (P&DS) effort to formulate a Center position on film chips for Photographic Interpretation (PI) uses continued throughout the month, occupying most of [] time. 50X1
4. [] met with [] of Marquardt Corporation (formerly of Nortronics Corporation) to discuss the system concept and the design of the viewer for the RA5C project. 5(50X1
5. [] attended a presentation at Headquarters on the results of certain studies on the methods of machine input being carried on by Stanford Research Institute for the Office of Computer Services (OCS). This presentation was particularly interesting in terms of confirming the efficiency of the IBM 826 Typewriter Key punch as an input device. The utility of on-line message-composition devices was also discussed. 50X1

Programming Branch

1. A run was made in November on the UNIVAC 490 computer to extract photoparameters from drum storage. This completes the operational loop for the Real-Time system and means that within two months all on-line equipment will have a capability to retrieve frame parameters directly from drum storage for on-line photographic measurements.

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2. UNIVAC has indicated that a draft manual for the FORTRAN compiler will be ready in the first quarter of next year. As soon as it can be arranged after the manual is completed, all PRB programmers will attend a FORTRAN programming course to be held here at the Center.

Operations Branch

1. The IBM 1401 computer operated 327 hours in November. Two hundred requests (186 in support of national projects) for 1401 computer services were answered. Twelve IPIRs, 2 OAKs, and 13 MCIs were processed by the 1401.

2. The UNIVAC 490 operated 171 hours in November, and 113 requests for 490 computer services were answered.

3. Minicard output included:

- a. 421 search requests answered
- b. 20,185 Minicard enlargements processed
- c. 79 informal requests processed
- d. 230 documents Minicarded
- e. 23 special reports Minicarded
- f. 800 documents file-expanded (resulting in 109,364 Minicards being added to the main file)
- g. 2 missions (1013-1 and 1014-1) were processed through the dot reader
- h. 50 WAC mosaics were input to the system

4. [redacted] of P&DS to 50X1 the Concord Controls Company in Boston to observe the operation of the Concord plotter, and to review plans for installing the Concord plotter

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in the IPD 490 area. Because of mechanical difficulties, the Concord plotter which was to be demonstrated was not operational during the time they were there; however, other equipment, including plotters, was demonstrated.

Training

1. [] have completed the two-week course on the UNIVAC 1004. [] is presently attending the course. 50X1
50X1

Personnel

1. [] one of our most competent UNIVAC 490 programmers, resigned in November to take a position on the West Coast. No new programmers have come on board. 50X1

2. [] one of our UNIVAC 490 operators, also resigned in November. 50X1

[] 50X1

Chief, Information Processing Division

Distribution:

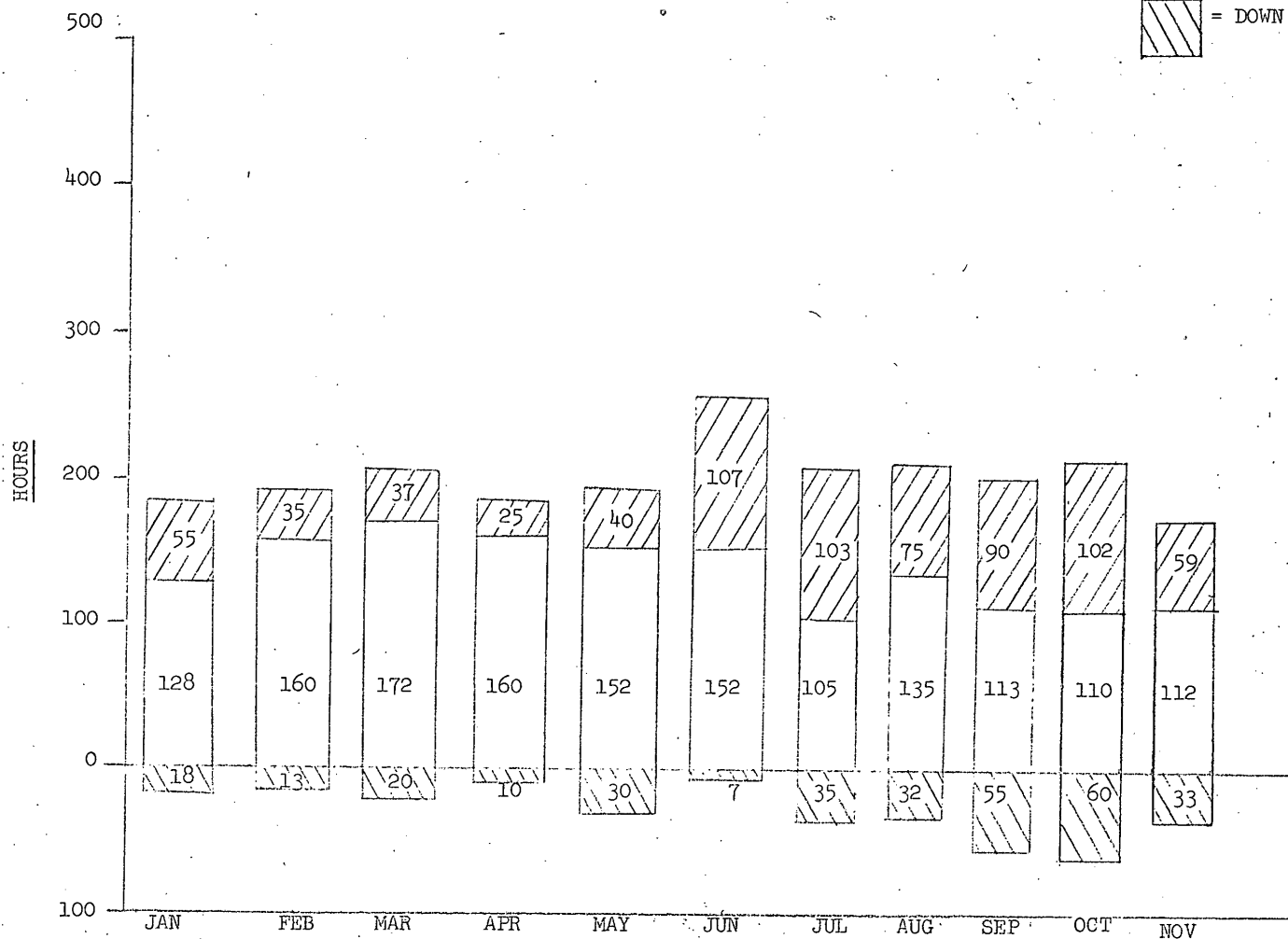
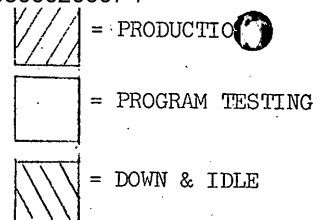
cy 1 & 2 - Asst/Admin, NPIC
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


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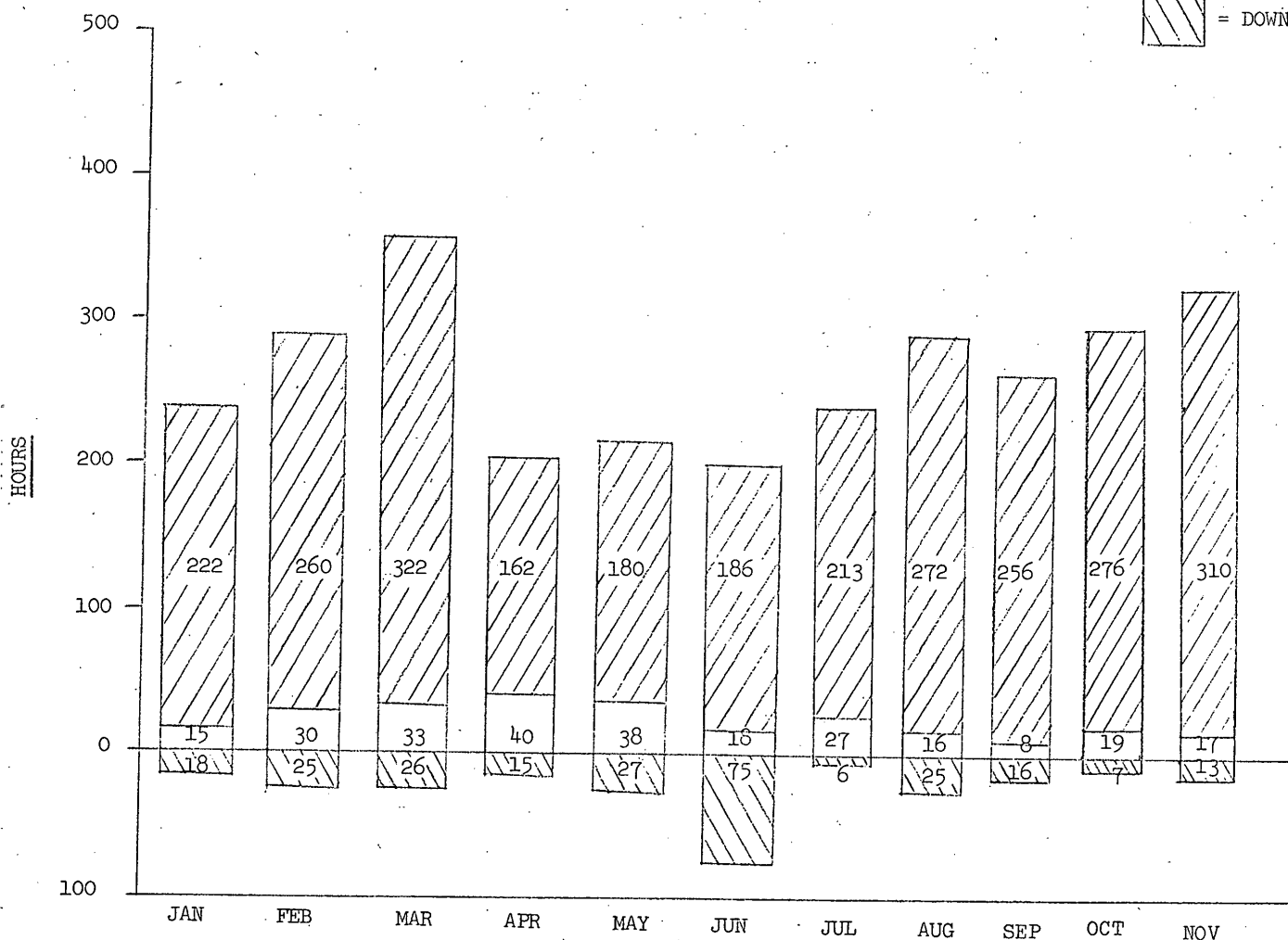
MONTHLY UTILIZATION OF

UNIVAC 490 COMPUTER SYSTEM (1964)





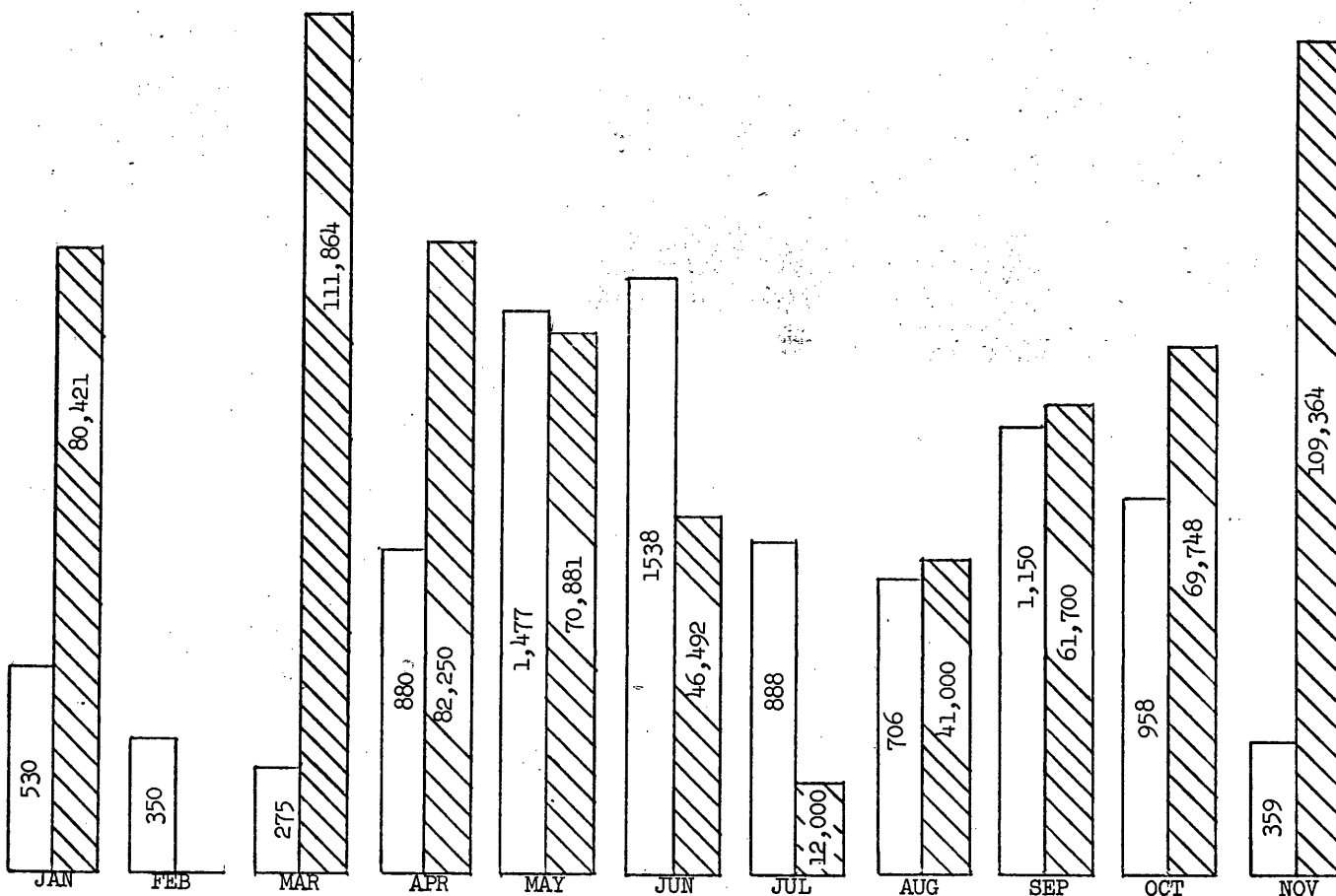
IBM 1401 COMPUTER SYSTEM (1964)

 = PRODUCTION
 = PROGRAM TESTING
 = DOWN



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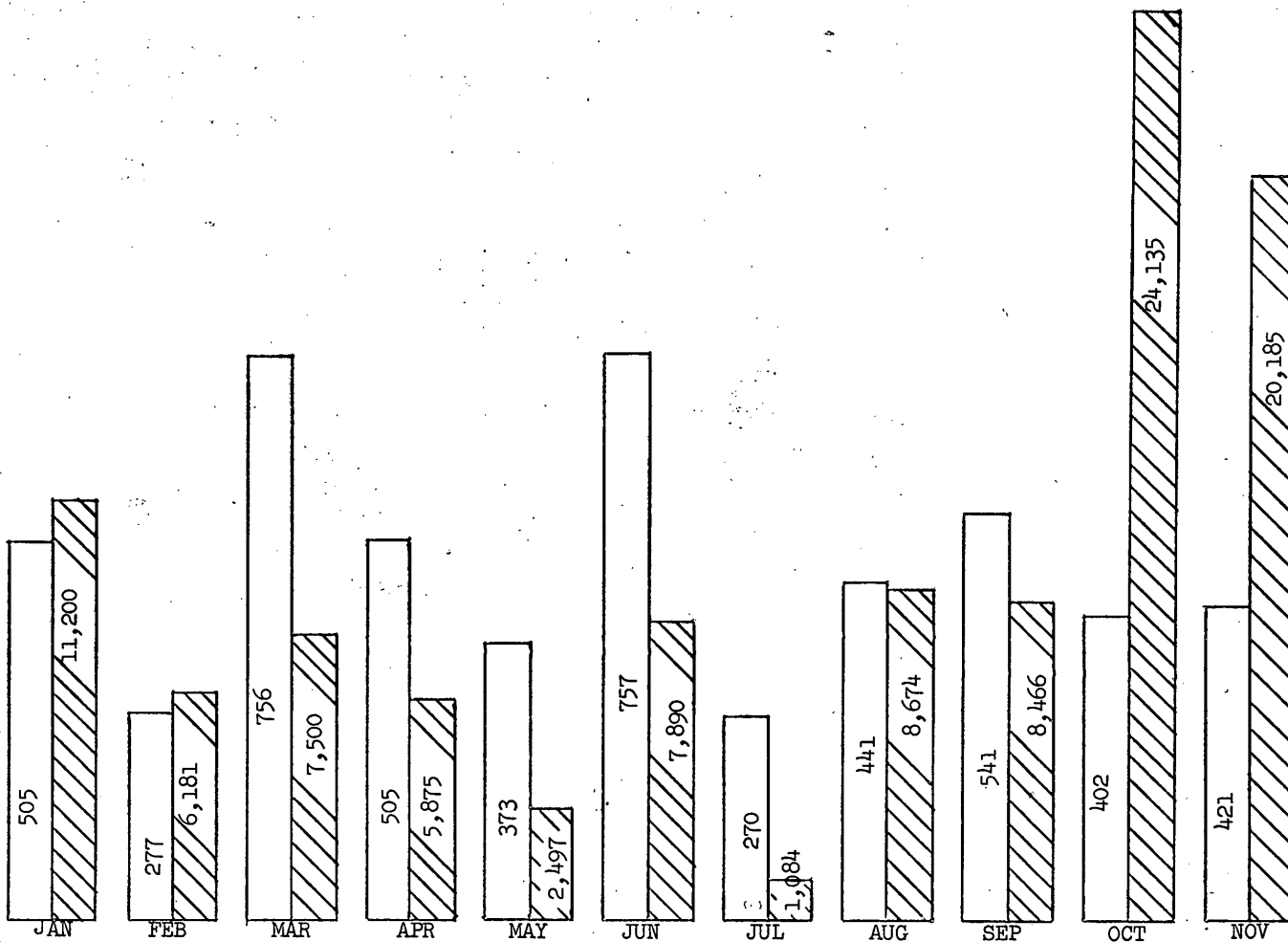


SCALE: $\frac{1}{2}$ " Equals 200 Documents Minicarded and 10,000 File Expanded Chips

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MINICARD OUTPUT FOR 1964

SEARCHES
ENLARGEMENTS



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